

CLAIMS

1. An antibacterial polyester resin composition which comprises an inorganic antibacterial agent, a thermoplastic polyester resin as a base resin and 5 to 50 % by weight of a
5 low molecular weight polyester resin having a number average molecular weight of 1800 to 3000 based on the inorganic antibacterial agent as a vehicle for dispersing the inorganic antibacterial agent.

2. The antibacterial polyester resin composition according
10 to claim 1, wherein the composition is a master batch containing 10 to 60 % by weight of the inorganic antibacterial agent and 10 to 89 % by weight of the base resin in the composition.

3. The antibacterial polyester resin composition according to claim 1, wherein the inorganic antibacterial agent has an
15 number average particle diameter of 0.01 to 3 μ m.

4. The antibacterial polyester resin composition according to claim 1, wherein the low molecular weight polyester resin as the vehicle has a softening point of 40 to 70 °C and the thermoplastic polyester resin as the base resin has a softening
20 point of higher than 70 °C.

5. The antibacterial polyester resin composition according to claim 2, wherein the low molecular weight polyester resin as the vehicle has a softening point of 40 to 70 °C and the thermoplastic polyester resin as the base resin has a softening
25 point of higher than 70 °C.

6. An antibacterial polyester resin composition as a resin material obtained by a process comprising diluting the composition of claim 2 as a master batch with a thermoplastic

polyester resin as a base resin of up to 9900 % by weight based on the composition of claim 2, wherein the amount of the thermoplastic polyester resin used for diluting is up to 99000 % by weight based on the antibacterial agent contained in the master
5 batch.

7. The antibacterial polyester resin composition as a resin material according to claim 6, wherein the amount of the thermoplastic polyester resin is up to 900 % by weight based on the master batch and the amount of the thermoplastic polyester
10 resin is up to 9000 % by weight based on the antibacterial agent.